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Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/648,542	
			Filing Date	August 26, 2003	
			First Named Inventor	Jiawen Dong, et al.	
			Art Unit	1711	
			Examiner Name	Zemel, Irina Sopja	
Sheet	1	of	1	Attorney Docket Number	135947-1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cita No.†	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
20		US- 3,535,737		10/1970	Henry	
		US- 3,917,507		2/1971	Siddmore	
		US- 4,117,548		11/1975	Craig	
		US- 4,877,390		10/1989	Ocker et al.	
		US- 4,902,455		2/1990	Wobble	
		US- 5,338,112		8/1994	Boden et al.	
22		US- 6,024,479		2/2000	Haring	
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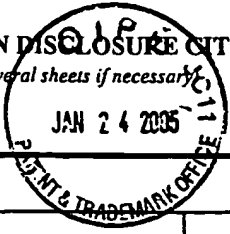
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cita No.†	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office‡	Number⁴	Kind⁵ (if known)			

Examiner Signature	<i>Irina Zemel</i>	Date Considered	3-3-2005
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † Applicant's unique citation designation number (optional). ‡ See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. § Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¶ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ** Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 10 if possible. *** Applicant is to place a check mark here if English language Translation is attached.

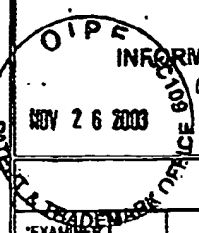
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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 135947-1		Application Number 10/648,542		
				Applicant(s) Jiawen Dong et al.				
				Filing Date August 26, 2003		Group Art Unit 1711		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>JD</i>	1.	5,804,111	9/8/1998	Kobayashi et al.	<u> </u>	<u> </u>		
<i>JD</i>	2.	6,100,366	8/8/2000	Nakata et al.	<u> </u>	<u> </u>		
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>JD</i>	3.	2001/0000520 A1	4/26/2001	Braat et al.	<u> </u>	<u> </u>		
<i>JD</i>	4.	2002/0055608 A1	5/9/2002	Braat et al.	<u> </u>	<u> </u>		
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
<i>JD</i>	5.	GB 1,213,467	11/25/1970	Great Britain	<u> </u>	<u> </u>		
<i>JD</i>	6.	WO 03/106149 A1	12/24/2003	PCT	<u> </u>	<u> </u>		
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
<i>JD</i>	7.	International Search Report; International Application No: PCT/US2004/022194; International Filing Date 08/07/2004; Mailing Date 03/11/2004; 7 pages						
<i>JD</i>	8.	European Search Report; European Application No: 04255152.3-2109-; Mailing Date 09.12.04; 3 pages						
EXAMINER <i>ma fernu</i>				DATE CONSIDERED <i>3-3-2005</i>				
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PTO INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) NOV 26 2003				ATTY DOCKET NO. 135947-1		SERIAL NO. 10/648,542	
				Jiawen Dong, et al. FILING August 26, 2003			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
						YES	NO
22	3,306,874	2/28/67	Hay				
	3,306,875	2/28/67	Hay				
	3,365,422	1/23/68	Van Dort				
	3,383,435	5/14/68	E.P. Cizek				
	3,451,462	6/24/69	T.T. Szabo, et al.				
	3,639,656	2/1/72	Bennett, et al.				
	3,642,699	2/15/72	Cooper, et al.				
	3,661,848	5/9/72	Copper, et al.				
	3,733,299	5/15/73	Cooper, et al.				
	3,838,102	9/24/74	Bennett, et al.				
22	3,962,181	6/8/76	Sakauchi, et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
22	CA 1063761	10/09/79	Canada				
	EP 0 102 122	18.08.83	Europe				
	EP 0 770 637	10.10.96	Europe				
	EP 1 167 419	19.06.01	Europe				
22	EP 1 167 420	19.06.01	Europe				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
22	Jp 11268098. Publication Date 1999-10-05. Abstract Only						
22	JP58147332. Publication Date 1983.09.02. Abstract Only						
EXAMINER <i>Anna J. Luce</i>				DATE CONSIDERED <i>8-13-04</i>			
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				Jiawen Dong, et al. FILING August 26, 2003			

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
jj	4,054,553	10/18/77	Olander				
	4,083,828	4/11/78	Olander				
	4,092,294	5/30/78	Bennett, Jr. et al.				
	4,161,470	7/17/79	Calundann				
	4,423,960	1/3/84	Anders				
	4,511,535	4/16/85	Schmidt, et al.				
	4,664,972	5/12/87	Connolly				
	4,686,279	8/11/87	Nagtzaam, et al.				
	4,808,262	2/28/89	Aneja, et al.				
	4,992,222	2/12/91	Banevicius, et al.				
jj	4,994,217	2/19/91	Banevicius, et al.				

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
jj	EP 1 167 421	19.06.01	Europe				
jj	WO 02/31033	18.04.02	PCT				

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
EXAMINER INITIAL	DOCUMENT NUMBER	JP6093014. Publication Date 1994-04-05. Abstract Only
jj		
jj		Bash, et al. "Analyzing Devolatilization Extruders for Residuals Optimization" Autec 96 pp.356-359

EXAMINER <i>Anna Jemel</i>	DATE CONSIDERED <i>8-13-04</i>
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				Jiawen Dong, et al.			
				FILING August 26, 2003		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
JO	5,017,655	5/21/91	Kase, et al.				
	5,102,591	4/7/92	Hasson, et al.				
	5,204,410	4/20/93	Banevicius, et al.				
	5,250,486	10/5/93	Shaffer				
	5,283,021	2/1/94	Shih				
	5,324,795	6/28/94	Suenaga				
	6,365,710	4/2/02	Wang, et al.				
	6,407,200	6/18/02	Singh, et al.				
	6,437,084	8/20/02	Birsak, et al.				
	6,444,779	9/3/02	Singh, et al.				
	6,469,128	10/22/02	Guo, et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER <i>Jim Smith</i>				DATE CONSIDERED <i>8-13-04</i>			

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